

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	5	381/67 and (displacem \$5 same diaphragm same capacit\$4)	US-PGPUB; USPAT	OR	OFF	2009/09/11 15:36
L7	11	("3989895" "4071694" "4072822" "4270627" "4362164" "4387784" "4502562" "4903794" "5492129" "5616890" "5737429").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/11 17:18
L8	4	381/67 and (displacem \$5 same diaphragm same capacit\$4) and electrod\$3	US-PGPUB; USPAT	OR	OFF	2009/09/11 17:52
L9	7	("4582961" "4784154" "4986276" "5006952" "5022405" "5932849" "6002777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/11 17:52
L10	58	(US-20040228494-\$ or US-20040032957-\$). did. or (US-4654883-\$ or US-5218969-\$ or US-6210344-\$ or US- 7003121-\$ or US- 5932849-\$ or US- 4248241-\$ or US- 4821327-\$ or US- 5492129-\$ or US- 5557681-\$ or US- 5022405-\$ or US- 5006952-\$ or US- 5602924-\$ or US- 4072822-\$ or US- 4582961-\$ or US- 4784154-\$ or US- 5931792-\$ or US-	US-PGPUB; USPAT	OR	OFF	2009/09/11 17:53

		5035247-\$ or US- 6002777-\$ or US- 6005951-\$ or US- 6498854-\$ or US- 6661897-\$ or US- 5987146-\$ or US- 4986276-\$ or US- 4672976-\$ or US- 5610987-\$ or US- 5365937-\$).did. or (US- 4947859-\$ or US- 5010890-\$ or US- 5467775-\$ or US- 6028942-\$ or US- 4495641-\$ or US- 6757392-\$ or US- 5909495-\$ or US- 4700397-\$ or US- 4598417-\$ or US- 7044922-\$ or US- 6603858-\$ or US- 6359992-\$ or US- 6067363-\$ or US- 5732143-\$ or US- 5701345-\$ or US- 5568561-\$ or US- 5524056-\$ or US- 5131048-\$ or US- 5113447-\$ or US- 4723295-\$ or US- 5687246-\$ or US- 5321756-\$ or US- 6019187-\$ or US- 5952618-\$ or US- 5774563-\$ or US- 6438238-\$ or US- 5920038-\$).did. or (US- 5428193-\$ or US- 4840183-\$ or US- 4765321-\$).did.				
L11	11	10 and electrode\$3	US-PGPUB; USPAT	OR	OFF	2009/09/11 17:53
L12	5	10 and (electrode\$3 same capacit\$4)	US-PGPUB; USPAT	OR	OFF	2009/09/11 18:06
S1	18	"4663594"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:23
S2	8	"4737703"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:25
S3	11	"4782246"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:25

S4	6	"5317200"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:28
S5	350	381/67	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:28
S6	141	S5 and diaphragm	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:39
S7	5	"6661897"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:40
S8	8	"6498854"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:46
S9	1	"20040228494"	US-PGPUB; USPAT	OR	OFF	2007/06/10 14:46
S10	19	("3030946" "3132208" "4170717" "4438772" "4594731" "4618986" "4731849" "4792145" "4821327" "5003605" "5218969" "5557681" "5602924" "5610987" "5737429" "6005951" "6512830").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/10 14:55
S11	59	("3603881" "3815109" "4150262" "4248241" "4334315" "4374382" "4528987" "4588867" "4635646" "4654883" "4672976" "4723555" "4742831" "4770189" "4773427" "4777961" "4791673" "4791933" "4792145" "4947859" "4981139"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/10 15:24

		"5010890" "5035247" "5052398" "5191602" "5201007" "5280524" "5295193" "5298692" "5351694" "5360005" "5365937" "5381798" "5417222" "5436564" "5458123" "5467775" "5492129" "5557681" "5579781" "5634468" "5660177" "5692059" "5721783" "5766208" "5771438" "5807258" "5931792" "5933506" "5987146" "6002777" "6021207" "6099486" "6112103" "6181801" "6210344" "6341229" "6396931" "6510918").PN.				
S12	5	"6661897"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/10 15:24
S13	9	("4072822" "4582961" "4784154" "4986276" "5006952" "5022405" "5932849" "6002777" "6498854").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/10 15:24

S14	7	("4582961" "4784154" "4986276" "5006952" "5022405" "5932849" "6002777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/10 15:32
S15	30	(US-20040228494-\$). did. or (US-7003121-\$ or US-6005951-\$ or US-5610987-\$ or US- 5602924-\$ or US- 5557681-\$ or US- 5218969-\$ or US- 4821327-\$ or US- 6210344-\$ or US- 6002777-\$ or US- 5987146-\$ or US- 5931792-\$ or US- 5492129-\$ or US- 5467775-\$ or US- 5365937-\$ or US- 5035247-\$ or US- 5010890-\$ or US- 4947859-\$ or US- 4672976-\$ or US- 4654883-\$ or US- 4248241-\$ or US- 6661897-\$ or US- 5932849-\$ or US- 5022405-\$ or US- 5006952-\$ or US- 4986276-\$ or US- 4784154-\$).did. or (US- 4582961-\$ or US- 4072822-\$ or US- 6498854-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/06/10 15:59
S16	4	S15 and vibrate	US-PGPUB; USPAT	OR	OFF	2007/06/10 16:24
S17	12	S15 and ambient	US-PGPUB; USPAT	OR	OFF	2007/06/10 17:31
S18	2	S15 and moisture	US-PGPUB; USPAT	OR	OFF	2007/06/10 18:33
S19	14	capacit\$4 and S15	US-PGPUB; USPAT	OR	OFF	2007/06/11 09:56
S20	20	adjust\$4 and S15	US-PGPUB; USPAT	OR	OFF	2007/06/10 19:27
S21	23	transduc\$3 and S15	US-PGPUB; USPAT	OR	OFF	2007/06/10 19:27

S22	7	S19 and ambient	US-PGPUB; USPAT	OR	OFF	2007/06/10 20:22
S23	9	S19 and noise	US-PGPUB; USPAT	OR	OFF	2007/06/10 20:22
S24	401	600/528	US-PGPUB; USPAT	OR	OFF	2007/06/11 09:56
S25	1156	600/529	US-PGPUB; USPAT	OR	OFF	2007/06/11 09:56
S26	30	(US-20040228494-\$). did. or (US-7003121-\$ or US-6005951-\$ or US-5610987-\$ or US- 5602924-\$ or US- 5557681-\$ or US- 5218969-\$ or US- 4821327-\$ or US- 6210344-\$ or US- 6002777-\$ or US- 5987146-\$ or US- 5931792-\$ or US- 5492129-\$ or US- 5467775-\$ or US- 5365937-\$ or US- 5035247-\$ or US- 5010890-\$ or US- 4947859-\$ or US- 4672976-\$ or US- 4654883-\$ or US- 4248241-\$ or US- 6661897-\$ or US- 5932849-\$ or US- 5022405-\$ or US- 5006952-\$ or US- 4986276-\$ or US- 4784154-\$).did. or (US- 4582961-\$ or US- 4072822-\$ or US- 6498854-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/06/11 14:27
S27	0	multichannel and S26	US-PGPUB; USPAT	OR	OFF	2007/06/11 14:27
S28	0	"multichannel" and S26	US-PGPUB; USPAT	OR	OFF	2007/06/11 14:28
S29	10	right and S26	US-PGPUB; USPAT	OR	OFF	2007/06/11 14:28

S30	30	(US-20040228494-\$). did. or (US-4654883-\$ or US-5218969-\$ or US-6210344-\$ or US- 7003121-\$ or US- 5932849-\$ or US- 4248241-\$ or US- 4821327-\$ or US- 5492129-\$ or US- 5557681-\$ or US- 5022405-\$ or US- 5006952-\$ or US- 5602924-\$ or US- 4072822-\$ or US- 4582961-\$ or US- 4784154-\$ or US- 5931792-\$ or US- 5035247-\$ or US- 6002777-\$ or US- 6005951-\$ or US- 6498854-\$ or US- 6661897-\$ or US- 5987146-\$ or US- 4986276-\$ or US- 4672976-\$ or US- 5610987-\$ or US- 5365937-\$).did. or (US- 4947859-\$ or US- 5010890-\$ or US- 5467775-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/03/27 15:17
S31	12	S30 and (stor\$3 or memory)	US-PGPUB; USPAT	OR	OFF	2008/03/27 15:17
S32	9	S30 and electromag\$6	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:11
S33	14	S30 and capacit\$4	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:14
S34	3	S30 and (capacit\$4 same vibrat\$4)	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:24
S35	7	("4582961" "4784154" "4986276" "5006952" "5022405" "5932849" "6002777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/27 17:24
S36	21071	(capacit\$4 same vibrat \$4)	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:25
S37	15	381/67 and S36	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:25

S38	200	381/67 and (open\$4 or apert\$4)	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:35
S39	11	"5989186"	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:51
S40	33	381/67 and ((open\$4 or apert\$4) same (ambient or environment))	US-PGPUB; USPAT	OR	OFF	2008/03/27 17:57
S41	36	(US-20040228494-\$ or US-20040032957-\$). did. or (US-4654883-\$ or US-5218969-\$ or US-6210344-\$ or US-7003121-\$ or US-5932849-\$ or US-4248241-\$ or US-4821327-\$ or US-5492129-\$ or US-5557681-\$ or US-5022405-\$ or US-5006952-\$ or US-5602924-\$ or US-4072822-\$ or US-4582961-\$ or US-4784154-\$ or US-5931792-\$ or US-5035247-\$ or US-6002777-\$ or US-6005951-\$ or US-6498854-\$ or US-6661897-\$ or US-5987146-\$ or US-4986276-\$ or US-4672976-\$ or US-5610987-\$ or US-5365937-\$).did. or (US-4947859-\$ or US-5010890-\$ or US-5467775-\$ or US-6028942-\$ or US-4495641-\$ or US-6757392-\$ or US-5909495-\$ or US-4700397-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:24
S42	5	S41 and (ac same signal)	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:24
S43	1	S41 and (ac same signal same noise)	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:26
S44	2	381/67 and (ac same signal same noise)	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:26

S45	8367	(ac same signal same noise)	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:28
S46	183	(ac same signal same noise) and "381"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:28
S47	61	(ac same signal same noise same capacit\$4) and "381"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2008/03/28 14:30
S48	48	(US-20040228494-\$ or US-20040032957-\$). did. or (US-4654883-\$ or US-5218969-\$ or US-6210344-\$ or US- 7003121-\$ or US- 5932849-\$ or US- 4248241-\$ or US- 4821327-\$ or US- 5492129-\$ or US- 5557681-\$ or US- 5022405-\$ or US- 5006952-\$ or US- 5602924-\$ or US- 4072822-\$ or US- 4582961-\$ or US- 4784154-\$ or US- 5931792-\$ or US- 5035247-\$ or US- 6002777-\$ or US- 6005951-\$ or US- 6498854-\$ or US- 6661897-\$ or US- 5987146-\$ or US- 4986276-\$ or US- 4672976-\$ or US- 5610987-\$ or US- 5365937-\$).did. or (US- 4947859-\$ or US- 5010890-\$ or US- 5467775-\$ or US- 6028942-\$ or US- 4495641-\$ or US- 6757392-\$ or US- 5909495-\$ or US- 4700397-\$ or US- 4598417-\$ or US- 7044922-\$ or US- 6603858-\$ or US- 6359992-\$ or US- 6067363-\$ or US- 5732143-\$ or US- 5701345-\$ or US-	US-PGPUB; USPAT	OR	OFF	2008/03/28 16:17

		5568561-\$ or US- 5524056-\$ or US- 5131048-\$ or US- 5113447-\$ or US- 4723295-\$).did.				
S49	30	S48 and capacit\$4	US-PGPUB; USPAT	OR	OFF	2008/03/28 16:17
S50	0	381/67 and ((open\$4 or apert\$4) same (ambient or environment) same moist\$3)	US-PGPUB; USPAT	OR	OFF	2008/03/28 16:41
S51	5723	((open\$4 or apert\$4) same (ambient or environment) same moist\$3)	US-PGPUB; USPAT	OR	OFF	2008/03/28 16:42
S52	26	((open\$4 or apert\$4) same (ambient or environment) same moist\$3) and "381"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2008/03/28 16:42
S53	277	(electromag\$6 same signal\$1 same transducer\$1 same channel\$1)	US-PGPUB; USPAT	OR	OFF	2008/03/28 17:58
S54	13	(electromag\$6 same signal\$1 same transducer\$1 same channel\$1) and "381"/ \$.ccls.	US-PGPUB; USPAT	OR	OFF	2008/03/28 17:58
S55	3925	diaphragm same tension	US-PGPUB; USPAT	OR	OFF	2008/03/28 18:06
S56	327	diaphragm same tension same frequen \$3	US-PGPUB; USPAT	OR	OFF	2008/03/28 18:06
S57	345	diaphragm same tension same frequen \$4	US-PGPUB; USPAT	OR	OFF	2008/03/28 18:06
S58	5	S57 and 381/67	US-PGPUB; USPAT	OR	OFF	2008/03/28 18:06
S59	8	"6498854"	US-PGPUB; USPAT	OR	OFF	2008/03/28 18:14
S60	33	"5987146"	US-PGPUB; USPAT	OR	OFF	2008/03/31 07:02

S61	53	(US-20040228494-\$ or US-20040032957-\$). did. or (US-4654883-\$ or US-5218969-\$ or US-6210344-\$ or US-7003121-\$ or US-5932849-\$ or US-4248241-\$ or US-4821327-\$ or US-5492129-\$ or US-5557681-\$ or US-5022405-\$ or US-5006952-\$ or US-5602924-\$ or US-4072822-\$ or US-4582961-\$ or US-4784154-\$ or US-5931792-\$ or US-5035247-\$ or US-6002777-\$ or US-6005951-\$ or US-6498854-\$ or US-6661897-\$ or US-5987146-\$ or US-4986276-\$ or US-4672976-\$ or US-5610987-\$ or US-5365937-\$).did. or (US-4947859-\$ or US-5010890-\$ or US-5467775-\$ or US-6028942-\$ or US-4495641-\$ or US-6757392-\$ or US-5909495-\$ or US-4700397-\$ or US-4598417-\$ or US-7044922-\$ or US-6603858-\$ or US-6359992-\$ or US-6067363-\$ or US-5732143-\$ or US-5701345-\$ or US-5568561-\$ or US-5524056-\$ or US-5131048-\$ or US-5113447-\$ or US-4723295-\$ or US-5687246-\$ or US-5321756-\$ or US-6019187-\$ or US-5952618-\$ or US-5774563-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/08/29 15:41
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S62	21	S61 and ambient	US-PGPUB; USPAT	OR	OFF	2009/08/29 15:42
S63	53	(US-20040228494-\$ or US-20040032957-\$). did. or (US-4654883-\$ or US-5218969-\$ or US-6210344-\$ or US- 7003121-\$ or US- 5932849-\$ or US- 4248241-\$ or US- 4821327-\$ or US- 5492129-\$ or US- 5557681-\$ or US- 5022405-\$ or US- 5006952-\$ or US- 5602924-\$ or US- 4072822-\$ or US- 4582961-\$ or US- 4784154-\$ or US- 5931792-\$ or US- 5035247-\$ or US- 6002777-\$ or US- 6005951-\$ or US- 6498854-\$ or US- 6661897-\$ or US- 5987146-\$ or US- 4986276-\$ or US- 4672976-\$ or US- 5610987-\$ or US- 5365937-\$).did. or (US- 4947859-\$ or US- 5010890-\$ or US- 5467775-\$ or US- 6028942-\$ or US- 4495641-\$ or US- 6757392-\$ or US- 5909495-\$ or US- 4700397-\$ or US- 4598417-\$ or US- 7044922-\$ or US- 6603858-\$ or US- 6359992-\$ or US- 6067363-\$ or US- 5732143-\$ or US- 5701345-\$ or US- 5568561-\$ or US- 5524056-\$ or US- 5131048-\$ or US- 5113447-\$ or US- 4723295-\$ or US- 5687246-\$ or US- 5321756-\$ or US-	US-PGPUB; USPAT	OR	OFF	2009/08/31 14:25

		6019187-\$ or US-5952618-\$ or US-5774563-\$).did.				
S64	5	S63 and (ambient same impedance)	US-PGPUB; USPAT	OR	OFF	2009/08/31 14:25
S65	164	381/67 and (aperture or opening)	US-PGPUB; USPAT	OR	OFF	2009/09/01 13:12
S66	49	381/67 and ((aperture or opening) same diaphragm)	US-PGPUB; USPAT	OR	OFF	2009/09/01 13:13
S67	7	381/67 and ((aperture or opening) same diaphragm same ambient)	US-PGPUB; USPAT	OR	OFF	2009/09/01 13:36
S68	603	"381"/\$.ccls. and (displacem\$5 same diaphragm)	US-PGPUB; USPAT	OR	OFF	2009/09/10 13:32
S69	12198	381/67and (displacem \$5 same diaphragm)	US-PGPUB; USPAT	OR	OFF	2009/09/10 13:32
S70	11	381/67 and (displacem \$5 same diaphragm)	US-PGPUB; USPAT	OR	OFF	2009/09/10 13:32

9/ 11/ 2009 6:45:58 PM

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